

CLAIMS

What is claimed is:

1. A method of deploying a telecommunications service where the service is
5 implemented in a service graph formed from a plurality of service independent
building blocks, the method comprising:
under control of a client system,
developing the service graph including a plurality of service independent building
blocks interconnected to execute a service process,
10 generating from the service graph a service script, and
transferring the service script to a server system; and
under control of the server system,
compiling the service script to generate a service image, and
executing the service image on the server system.
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2. The method of claim 1 further comprising distributing the service script to a
customer for which the service script was developed.
3. The method of claim 1 wherein the service graph includes at least one
20 subroutine icon defining a subroutine formed from a plurality of service independent
building blocks.
4. A method of deploying a telecommunications service where the service is
implemented in a service graph formed from a plurality of service independent
25 building blocks, the method comprising:
developing the service graph from a plurality of service independent building blocks
interconnected to execute a service process;
generating from the service graph a service script; and
transferring the service script to a customer.

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5. The method of claim 4 further comprising:
compiling the service script to generate a service image; and
executing the service image on the server system.
- 5 6. The method of claim 5 wherein the operations of developing, generating,
and transferring occur on a client system, and wherein the operations of compiling
and executing occur on a server system.
7. The method of claim 5 wherein the customer is never provided access to the
10 service graph during any of the operations.
8. The method of claim 4 wherein the service graph includes at least one
subroutine icon defining a subroutine formed from a plurality of service independent
building blocks.
- 15 9. A data signal embodied in a carrier signal, comprising:
a service script generated from a corresponding service graph, the service graph
being formed by a plurality of service independent building blocks.
- 20 10. The data signal of claim 9 wherein the service graph includes at least one
subroutine icon defining a subroutine formed from a plurality of service independent
building blocks.
11. The data signal of claim 9 wherein the carrier signal comprises an optical,
25 electronic, or acoustical signal.
12. The data signal of claim 9 wherein the service script includes instructions
which, when executed, cause a computer system to provide a telecommunications
service.

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13. A computer-readable medium including a service script generated from a service graph including a plurality of interconnected service independent building blocks, the service script being used to cause a computer system to execute a telecommunications service.

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14. The computer-readable medium of claim 13 wherein the service script is further compiled to generate a service image prior to being executed.

15. The computer-readable medium of claim 14 wherein the service graph includes at least one subroutine icon defining a subroutine formed from a plurality of service independent building blocks.

16. A method of executing a telecommunications service, comprising:
receiving a service script generated from a service graph, the service graph being
15 formed from a plurality of service independent building blocks; and
executing the service script to provide the telecommunications service.

17. The method of claim 16 wherein executing the service script comprises:
compiling the service script to generate a service image; and
20 running the service image to provide the telecommunications service.

18. The method of claim 16 wherein the service graph includes at least one subroutine icon defining a subroutine formed from a plurality of service independent building blocks.

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19. A client computer system, comprising:
a graphical interface component operable in response to user input to develop a service graph using a graphical interface, and operable to generate a service script from the service graph.

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20. The client computer system of claim 19 wherein the graphical interface component is operable to generate the service script responsive to user input.

21. The client computer system of claim 19 further comprising:

- 5 an application build component operable to communicate with a server system to generate an application program on the server system;
a deployment component coupled to the graphical interface component to receive the service script from the graphical interface component and operable to process the service script to generate files for deployment on the server system; and
10 a provisioning component operable to generate service data tables on the server system for use during execution of the service corresponding to the service script.

22. A server computer system, comprising:

- 15 a build server adapted to receive a service script corresponding to a telecommunications service, the service script having been generated from a service graph formed from a plurality of interconnected service independent building blocks, and the build server operable to compile the service script to generate a service image;
an open database server operable to generate service data tables required by the
20 service image and store the tables in a table database; and
an application component operable to execute the service image to provide the telecommunications service.

25 25. The server system of claim 24 wherein the server system comprises a service control point in an SS7 network.

26. The server system of claim 24 further comprising a service image database component including a plurality of service images that are executed by the application component.